

WHAT IS CLAIMED IS:

- Sub A1> 1. A bolt tightening structure of a magnesium alloy member for
tightening magnesium alloy members with each other or a magnesium
5 alloy member and a heterogeneous material by means of a bolt, wherein a
cationic electrodeposition coating having a film thickness of 15 μm or
more is provided at least on the surface of said magnesium alloy member
contacting with a bolt head, a powder coating having a film thickness of 40
10 to 150 μm is provided on the surface of said cationic electrodeposition
coating, zinc-nickel plating and then cosmer treatment are carried out on
said bolts, and an alumite-treated aluminum washer is interposed between
said bolt head and said magnesium alloy member.
2. A bolt tightening structure of a magnesium alloy member in
15 accordance with claim 1, wherein the thickness of an alumite layer on said
alumite-treated aluminum washer is 10 μm or more.
3. A bolt tightening structure of a magnesium alloy member for
tightening magnesium alloy members with each other or a magnesium
20 alloy member and a heterogeneous material by means of a bolt, wherein a
cationic electrodeposition coating having a film thickness of 15 μm or
more is provided at least on the surface of said magnesium alloy member
contacting with a bolt head, a powder coating having a film thickness of 40
to 150 μm is provided on the surface of said cationic electrodeposition

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coating, zinc-nickel plating and then cosmer treatment are carried out on said bolts, and an iron or aluminum alloy washer coated by a cationic electrodeposition coating having a film thickness of 15 μm or more is interposed between said bolt head and said magnesium alloy member.

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4. A bolt tightening structure of a magnesium alloy member in accordance with claim 1, wherein chromate treatment is carried out on said bolt after said zinc-nickel plating and before said cosmer treatment, and any one of chromate treatment, chrome phosphate treatment, and manganese phosphate treatment is carried out on said magnesium alloy member before providing said cationic electrodeposition coating.

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5. A bolt tightening structure of a magnesium alloy member in accordance with claim 2, wherein chromate treatment is carried out on said bolt after said zinc-nickel plating and before said cosmer treatment, and any one of chromate treatment, chrome phosphate treatment, and manganese phosphate treatment is carried out on said magnesium alloy member before providing said cationic electrodeposition coating.

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6. A bolt tightening structure of a magnesium alloy member in accordance with claim 3, wherein chromate treatment is carried out on said bolt after said zinc-nickel plating and before said cosmer treatment, and any one of chromate treatment, chrome phosphate treatment, and manganese phosphate treatment is carried out on said magnesium alloy

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member before providing said cationic electrodeposition coating.

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